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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,452	02/09/2004	Paul Kimelman	550-517	3613
23117	7590 09/30/2005		EXAMINER .	
NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR			CERULLO, JEREMY S	
	N, VA 22203	FLOOR .	ART UNIT	PAPER NUMBER
			2112	
			DATE MAIL ED: 09/30/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

К							
	Application No.	Applicant(s)	_				
	10/773,452	KIMELMAN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Jeremy S. Cerullo	2112					
The MAILING DATE of this communicate Period for Reply	ion appears on the cover sheet wi	th the correspondence address					
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAIL Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communical If NO period for reply is specified above, the maximum statutor Failure to reply within the set or extended period for reply will, be Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ING DATE OF THIS COMMUNIC CFR 1.136(a). In no event, however, may a reation. y period will apply and will expire SIX (6) MON by statute, cause the application to become AB	CATION. Poply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed or	n 16 September 2004	•					
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice u	ınder <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-8</u> is/are pending in the applic	ation.						
4a) Of the above claim(s) is/are w	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8</u> is/are rejected.	☑ Claim(s) <u>1-8</u> is/are rejected.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction	and/or election requirement.						
Application Papers							
9)☐ The specification is objected to by the Ex	caminer.						
10)⊠ The drawing(s) filed on <u>16 September 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection	to the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the							
11) ☐ The oath or declaration is objected to by	the Examiner. Note the attached	Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for f a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority doc		119(a)-(d) or (f).					
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the		·					
application from the International I	Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for	r a list of the certified copies not i	eceived.					
Attachmont(a)							
Attachment(s) 1) Notice of References Cited (PTO-892)	A\ \ \ Interview 0						
2) 🔲 Notice of Draftsperson's Patent Drawing Review (PTO-9	(148) Paper No(s	ummary (PTO-413))/Mail Date					
 Information Disclosure Statement(s) (PTO-1449 or PTO- Paper No(s)/Mail Date 	/SB/08) 5) Notice of In 6) Other:	formal Patent Application (PTO-152) 					

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DETAILED ACTION

1. Claims 1-8 are pending in the following action.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 3 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 3 and 7 recite the limitation "... differing proportions of said priority level values may be allocated to said first portions and to said second portions." It is unclear what proportions are being differed. It may be a ration of the sizes of the first and second portions, or it may be the difference in size of a single portion between two system states. Therefore Claims 3 and 7 are considered indefinite and should be amended to clearly state what is to be claimed.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-2, 4-6, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 4,075,679 ("Christopher" et al.).
- 6. As for Claim 1, Christopher discloses an apparatus for processing data comprising: processing logic operable to perform processing operations subject to interruption by a plurality of peripheral interrupts (functionally equivalent to interrupt handling programs as claimed) (Column 32, Lines 30-67); a Input/Output Controller (IOC)(functionally equivalent to the nested interrupt controller as claimed) operable to control execution of the plurality of peripheral interrupts in response to their priority levels, each priority level divided into a first and a second portion (Column 32, Lines 51-67) (The first portion being the first octal digit, and the second portion being the second octal digit); the IOC operative to compare the first portion of the priority level value of a pending interrupt with the first portion of the priority level of an active interrupt to determine if the pending interrupt should pre-empt the active interrupt (Column 32, Lines 46-67); and the IOC is operative to order for activation the pending peripheral interrupts based on the first portion of their priority level values, but if the first portions of the priority levels are equivalent, the priority is determined based on the second portions of the priority levels (Column 32, Lines 51-67).
- 7. As for Claim 2, Christopher discloses that the first and second portions of the priority level values are contiguous. The two portions are contiguous octal digits (Column 32, Lines 51-67).

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8. As for Claim 4, Christopher discloses that the first portion of the priority level designates a group of peripheral interrupts and the second portion designate ordering within the group (Column 32, Lines 51-67).

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- 9. As for Claim 5, Christopher discloses an method for processing data comprising: processing logic operable to perform processing operations subject to interruption by a plurality of peripheral interrupts (functionally equivalent to interrupt handling programs as claimed) (Column 32, Lines 30-67); a Input/Output Controller (IOC)(functionally equivalent to the nested interrupt controller as claimed) controlling execution of the plurality of peripheral interrupts in response to their priority levels, each priority level divided into a first and a second portion (Column 32, Lines 51-67) (The first portion being the first octal digit, and the second portion being the second octal digit); the IOC comparing the first portion of the priority level value of a pending interrupt with the first portion of the priority level of an active interrupt to determine if the pending interrupt should pre-empt the active interrupt (Column 32, Lines 46-67); and the IOC ordering for activation the pending peripheral interrupts based on the first portion of their priority level values, but if the first portions of the priority levels are equivalent, the priority is determined based on the second portions of the priority levels (Column 32, Lines 51-67).
- 10. As for Claim 6, Christopher discloses that the first and second portions of the priority level values are contiguous. The two portions are contiguous octal digits (Column 32, Lines 51-67).

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11. As for Claim 8, Christopher discloses that the first portion of the priority level designates a group of peripheral interrupts and the second portion designate ordering within the group (Column 32, Lines 51-67).

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: U.S. Patent No. 6,295,553; U.S. Patent No. 6,539,448; U.S. Patent No. 6,578,964; and U.S. Patent No. 6,618,780.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy S. Cerullo whose telephone number is (571) 272-3634. The examiner can normally be reached on Monday - Thursday, 8:00-4:00; Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on (571) 272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSC

REHANA PERVEEN PRIMARY EXAMINER